

PRECISION CHEMICAL, LLC

Solutions Provider in Water Technology



SPC-5126

YP1179-15

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Chemical Name
Trade Names
CAS No.

Mixture
SPC-5126
Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)
Uses Advised Against

Alkali pH adjustment
None

Details of the supplier of the safety data sheet

Company Identification

Precision Chemical, LLC
1888 W Shelton Rd
Boonville, IN 47601
United States of America

Telephone

812-858-2431

Fax

812-858-2433

E-Mail (competent person)

fshurtz@precisionchem.com

Emergency telephone number

Emergency Phone No.

Chemtel: 800-255-3924

SECTION 2: HAZARDS IDENTIFICATION**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

Skin Corr. 1A; Eye Dam. 1; Met. Corr. 1

Label elements

Hazard Symbol(s)



Signal Word(s)

DANGER

Hazard Statement(s)

Causes severe skin burns and eye damage.
May be corrosive to metals.

Precautionary Statement(s)

Wash hands and exposed skin after use.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapours/spray.
Take off contaminated clothing and wash before reuse.
Keep only in original container.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get immediate medical attention. Wash contaminated clothing before reuse.



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IF INHALED: Not normally required. Treat symptomatically.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical attention.

Other hazards

Harmful to aquatic life.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	%W/W	CAS No.	Hazard Statement(s)
Sodium Hydroxide	48-52	1310-73-2	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318 Aquatic Acute 3; H402
Sodium Permanganate	< 1	10101-50-5	Ox. Sol. 2; H272 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318

Additional Information – None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation

Not normally required. Treat symptomatically.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get immediate medical attention. Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Ingestion

Rinse mouth. Do NOT induce vomiting. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

Causes severe damage to eyes and skin.

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.

None anticipated.

Special hazards arising from the substance or mixture

None anticipated.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put on protective clothing before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapours/spray.

Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Prevent entry into drains.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing / eye protection / face protection. Do not breathe dust / fume / gas / mist / vapours / spray. Keep only in original container.

Conditions for safe storage, including any incompatibilities

-Storage temperature
-Incompatible materials

Do not allow material to freeze. Keep cool. Protect from sunlight. Substances that react with water. Strong acids. Metals.

Specific end use(s)

Alkali pH adjustment

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Sodium Hydroxide	1310-73-2	2 mg/m3	-----	-----	2 mg/m3	Ceiling Limit

Exposure controls

Appropriate engineering controls

Not normally required.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Gloves (PVC, Neoprene, or Natural rubber). Wear alkaline-resistant protective clothing



Respiratory protection

Not normally required.





Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Purple
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	14
Melting Point/Freezing Point (°C)	-12 to -10 (10 - 14 °F)
Boiling point/boiling range (°C)	105 - 140 (221 - 284 °F)
Flash Point (°C)	Non-combustible / Non-flammable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not applicable
Vapour Pressure (mm Hg)	Similar to Water
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Specific Gravity	Not available
Solubility (Water)	Miscible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible / Non-flammable
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	Similar to Water
Explosive properties	Not explosive
Oxidizing properties	Not oxidising
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials. Heat and direct sunlight.
Incompatible materials	Substances that react with water. Strong acids. Metals.
Hazardous decomposition product(s)	None anticipated.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity (calculated / estimated)	Oral: LD50 >2000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw
Irritation/Corrosivity	Causes severe skin burns and eye damage.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Not to be expected
Carcinogenicity	Not to be expected

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity

Not to be expected



Reproductive toxicity

Not to be expected

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity (estimated / calculated)

Short term

LC50 (96 hour): > 100 mg/L (fish)
EC50 (48 hour): ~ 40 mg/L (crustacea)
EC50 (96 hour): > 100 mg/L (algae)

Long Term

NOEC (28 day): > 1 mg/L (fish)
NOEC (15 day): > 1 mg/L (crustacea)
NOEC (7 day): > 1 mg/L (algae)

Persistence and degradability

Not persistent

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

The product has high mobility in soil.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation.
Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	1824	1824	1824
Proper Shipping Name	RQ, Sodium hydroxide solution	Sodium hydroxide solution	Sodium hydroxide solution
Transport hazard class(es)	8	8	8
Packing group	II	II	II
Environmental hazards	No	No	No
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Sodium Hydroxide	1310-73-2	50	1000

SARA 311/312 - Hazard Categories:

☐ Fire ☐ Sudden Release ☐ Reactivity ☒ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: October 7, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H290: May be corrosive to metals.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H402: Harmful to aquatic life.

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